

AMENDMENT

U.S. Appln. No. 09/622,439

~~12~~⁸. An expression vector comprising a polynucleotide encoding a G protein-coupled receptor comprising amino acids 1 to 370 of SEQ ID NO: 4 when said expression vector is present in a compatible host cell.

~~13~~⁹. A process for producing a recombinant host cell comprising transforming or transfecting a cell with the expression vector of claim ~~12~~⁸ such that the host cell, under appropriate conditions, produces said G protein-coupled receptor protein.

~~14~~¹⁰. A recombinant host cell produced by the process of claim ~~13~~⁹.

~~15~~¹¹. A membrane of the recombinant host cell of claim ~~14~~¹⁰ expressing said polypeptide.

~~16~~¹². A method for producing a G protein-coupled receptor protein comprising culturing the host cell of claim ~~14~~¹⁰ under conditions sufficient for the production of said G protein-coupled receptor protein and recovering said protein from the culture.

~~17~~¹³. An isolated polynucleotide that is fully complementary to an isolated polynucleotide comprising a nucleotide sequence encoding a G protein-coupled receptor protein comprising amino acids 1 to 370 of SEQ ID NO:4.

~~18~~¹⁴. The isolated polynucleotide of claim ~~17~~¹³ that is fully complementary to polynucleotides 1 to 1113 of SEQ ID NO:3.

~~19~~¹⁵. An isolated polynucleotide encoding a polypeptide comprising amino acids 1 to 370 of SEQ ID NO: 4.

~~20~~¹⁶. The isolated polynucleotide of claim ~~19~~¹⁵, which encodes a polypeptide consisting of amino acids 1 to 370 of SEQ ID NO:4.

~~21~~¹⁷. The isolated polynucleotide of claim ~~19~~¹⁵ which is RNA.

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22. The isolated polynucleotide of claim 15 which is DNA.
- 19
23. An expression vector comprising a polynucleotide encoding a polypeptide comprising amino acids 1 to 370 of SEQ ID NO: 4 when said expression vector is present in a compatible host cell.
- 20
24. A process for producing a recombinant host cell comprising transforming or transfecting a cell with the expression vector of claim 19 such that the host cell, under appropriate conditions, produces said polypeptide.
- 21
25. A recombinant host cell produced by the process of claim 20.
- 22
26. A membrane of the recombinant host cell of claim 21 expressing said polypeptide.
- 23
27. A method for producing a polypeptide comprising culturing the host cell of claim 25 under conditions sufficient for the production of said polypeptide and recovering said polypeptide from the culture.
- 24
28. An isolated polynucleotide that is fully complementary to an isolated polynucleotide comprising a nucleotide sequence encoding a polypeptide comprising amino acids 1 to 370 of SEQ ID NO:4.
- 25
29. The isolated polynucleotide of claim 24 that is fully complementary to polynucleotides 1 to 1113 of SEQ ID NO:3.
- 26
30. An isolated polynucleotide comprising polynucleotides 1 to 1113 of SEQ ID NO:3.